RESEARCH AND DEVELOPMENT, NEUCHATEL - QUARTERLY REPORT

DIVISION : MANUFACTURING SERVICES GROUP

SUBJECT TITLE : INGREDIENTS, CASINGS & FLAVORS

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1. RECIPE MODIFICATION (Ref. 1 to 5)

Following complaints from PME Affiliates concerning some stability problems (precipitation) with the Aftercut Solution No. 12.2025 FAMA-AC, a study was initiated within R&D.

It appears that following several modifications in the composition of the two base flavors from PM Richmond, these components are significantly less water soluble.
R&D determined the threshold of solubility of the precipitate (= maximal possible quantity of water which can be added without having a precipitation).

The above-mentioned Aftercut Solution is now replaced by No. 12.2026 AFTERCUT ALMANDINE.

All the concerned specifications were changed within PME except for Hungary where previously some points have to be clarified (machinability and contracts).

2. INGREDIENTS

2.1 Usage catalogues (Ref. 6 to 8)

Updated versions of both catalogues were issued on December 15, 1988.

"Usage of Ingredients" and "Usage of Filter Additives"

A change in the procedure to transmit information from Production Center to R&D Manufacturing Services was introduced.

From now on there is one person per Production Center who is responsible for sending appropriate information to the undersigned. All the necessary information needed for any modifications in these catalogues was given to these people.

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2.2 Block Licorice from Menozzi (Ref. 9 to 12)

Following a complaint from PM Holland, concerning a white substance which can be observed in some "bubbles" of the Menozzi & de Rosa block, R&D contacted the supplier.

This white substance was hydrogenated palm oil and was used as an unsticking agent during storage of blocks.

R&D asked for it to be suppressed and for the blocks to be packed directly in polypropylene bags for PME before storage. After checking feasibility, Menozzi & de Rosa complied to this.

This problem is solved and I would like to underline the excellent collaboration and support that R&D got from the supplier.

2.3 Ingredients trial concept 1989

A regional meeting was held on December 1, 1988, in Cortaillod to establish the material trial concept 1989.

Ingredients concerned are :

2.3.1 Cochise PME code 10.1250

It becomes top priority to have a new manufacturer/supplier qualified.

2.3.2 Block licorice PME code 10.1800

It also becomes top priority to have a new source qualified.

Test under way with two possible alternatives :

- E.V.D., Gardanne, France (Mafco)
- SISTAS , Siirt, Turkey

2.3.3 Propylene glycol PME code 10.0050

Miniprimary tests are ongoing with three potential new manufacturers :

- ERDOELCHEMIE, Köln, West-Germany
- HUELS, Marl, West-Germany
- ARCO, Fos Sur Mer, France

Tobaccos will be processed at the R&D Miniprimary the second week of January 1989 (Project 5037 ANALCIME).

Results expected by mid-February 1989.

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2.3.4 Licorice in powder PME code 10.1850

R&D had contact with the two new potential sources.

- E.V.D., Gardanne, France
- SISTAS, Siirt, Turkey

Laboratory samples expected end January 1989.

The follow-ups of these tests depend on the results of the ALLANITE project (mail-out test in Switzerland with Fertilizers & Chemicals ZD16 quality).

2.3.5 Natural & Synthetic Menthol
PME Codes 10.2300 and 10.2350

Test under way with two potential alternative sources of menthol.

Natural	FUERST & LAWSON, London, UK "Glacier Brand" from China
Synthetic	TAKASAGO, Tokyo, Japan "Menthol flakes" and Menthol pallets"

The follow-ups of these tests are closely dependent on the results of another R&D project to standardise all the mentholated solutions to solution 11.0065 SMF-D (100 % synthetic menthol + Mint Oils).

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REFERENCES
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3) Profs note "Recipe Modification" from A. Schwarb to Mr. W. Steinacher, October 10, 1988

4) Profs note "FAMA-AC Solution" from A. Schwarb to Messrs. W. Steinacher and C. Renaudin, November 11, 1988

5) Memos "Evolution of Specifications" from A. Schwarb, November 14 and December 6, 1988

6) Profs note "Updating of Usage Catalogues" from A. Schwarb, November 18, 1988

7) Memo "Usage of Ingredients" from A. Schwarb, December 15, 1988

8) Memo "Usage of Filter Additives" from A. Schwarb, December 15, 1988

9) Profs note "Block Licorice ex Menozzi" from Mr. M. Murray to Mr. D. Turpin, December 16, 1988

10) Telex/Profs note "Block Licorice" from A. Schwarb to Mr. M. Menozzi, December 19, 1988

11) Telex "Block Licorice" from Mr. M. Menozzi to A. Schwarb, December 21, 1988

12) Profs note "Block Licorice from Menozzi" from A. Schwarb to Messrs. J. Kipfstuhl and P. Loos, December 21, 1988

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